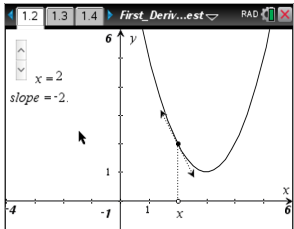


4.3 Connecting f' and f'' with the graph of f
first derivative test for local extrema of continuous functions

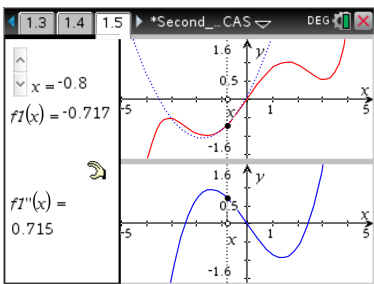


find the local extrema:
 $y = (x^2 - 3)e^x$

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Oct 18-6:24 PM

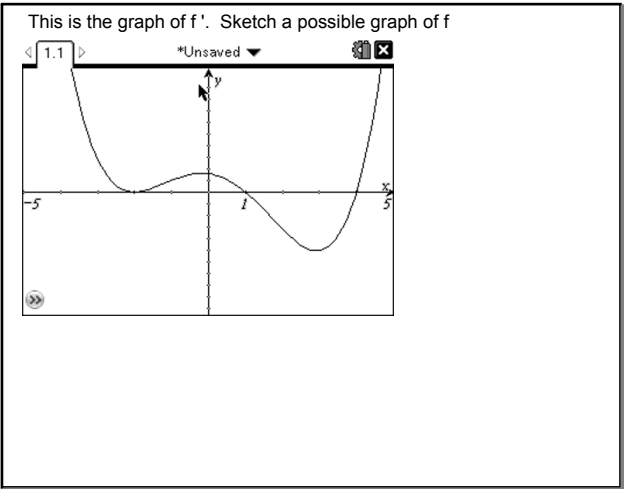
concavity test



Find all points of inflection for the graph of $y = e^{-x^2}$

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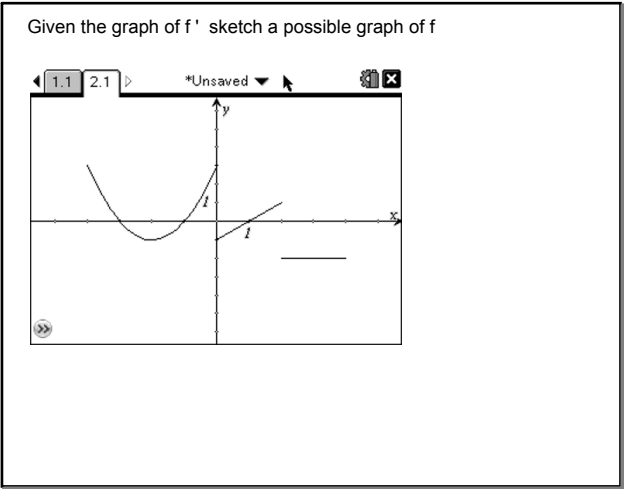
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second derivative test for local extrema

Find the local extrema using the second derivative test

$$y = x^3 - 12x - 5$$

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Oct 18-6:41 PM

Oct 9-9:11 AM